EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Gorrier on 6/16/08.

The application has been amended as follows:

-Claims 33-35 had been canceled.

3. The following is an examiner's statement of reasons for allowance:

Regarding claims 1-14, 20, the prior art fails to teach a method for transmitting a packet comprising "transmitting an orthogonal frequency division multiplexed packet preamble including a long packet preamble and an signal header field readable by both high throughput communication stations and standard-throughput communication stations, and transmitting an

additional training field readable by the high-throughput communication stations; retransmitting the training tones during the additional training field, the training tones being shifted among subscriber frequencies of the spatial channel during the retransmission, wherein the signal header field includes packet rate and length information, the signal header field being readable at least by the standard throughput communication stations and causing the standard throughput communication stations to refrain from transmitting during a length of the packet," which is considered in combination with other limitations, as specified as, in the independent claim 1.

Regarding claims 15-19, the prior art fails to teach a method for receiving a packet comprising "receiving an orthogonal frequency division multiplexed packet preamble including a long packet preamble and a signal header field readable by both high-throughput communication stations and standard-throughput communication stations, and receiving an additional training field readable by the high-throughput communication stations; receiving the training tones retransmitted over the spatial channels during the additional training field, the training tones being interspersed among other

subcarrier frequencies of the spatial channels during the additional training field; and wherein the signal header field includes packet rate and length information, the signal header field being readable at least by the standard throughput communication stations and causing the standard throughput communication stations to refrain from transmitting during a length of the packet," which is considered in combination with other limitations, as specified as, in the independent claim 15.

Regarding claims 21-24, the prior art fails to teach a high-throughput communication station comprising "a transmitter to transmit an orthogonal frequency division multiplexed packet preamble including a long packet preamble and a signal header field readable by both high-throughput communication stations and standard-throughput communication stations, and transmit an additional training field readable by the high-throughput communication stations, the transmitter to retransmit the training tones during the additional training field, the training tones being shifted among the subcarrier frequencies of the spatial channels during retransmission; and the differing subcarrier frequencies comprising subcarrier frequencies not used for

transmission during the long packet preamble; wherein the signal header field includes packet rate and length information, the signal header field being readable at least by the standard throughput communication stations and causing the standard throughput communication stations to refrain from transmitting during a length of the packet," which is considered in combination with other limitations, as specified as, in the independent claim 21.

Regarding claims 25-28, the prior art fails to teach a high-throughput communication station comprising "a receiver to receive an orthogonal frequency division multiplexed packet preamble including a long packet preamble and a signal header readable by both high-throughput communication stations and standard-throughput communication stations, and receive an additional training field readable by the high-throughput communication stations, the receiver to receive the training tones retransmitted over the spatial channels during the additional training field, the training tones being interspersed among other subcarrier frequencies of the spatial channels during the additional training field; wherein the signal header field includes packet rate and length information, the signal header field being readable at

least by the standard throughput communication stations and causing the standard throughput communication to refrain from transmitting during a length of the packet," which is considered in combination with other limitations, as specified as, in the independent claim 25.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUONGCHAU BA NGUYEN whose telephone number is (571)272-3148. The examiner can normally be reached on Monday-Friday from 8:30 a.m. to 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firmin Backer can be reached on 571-272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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